

Day in the Life of the Hudson River 10/05/2023
Coxsackie Boat Launch, Coxsackie Riverfront Park, Green County, NY

RIVER MILE: 123

Salt Front: ~ RM 52

OPRHP-Sarah Davies

Coxsackie-Athens Central School District- Jen Rausch

50 students, 4th & 12th grade, 15 adults

Latitude 42.353176°N & Longitude -73.795549°W

Location: Coxsackie Boat Launch, Coxsackie Riverfront Park, Green County, NY

Surrounding Land Use: 15% Forested, 30% Beach, parking area, cement boat launch, picnic area and fishing 55%.

Sampling Site: West side of Hudson River. River front park with parking area, boat launch, picnic area. Parking area and cement boat launch with fishing and picnic area, gazebo. Rip rap altered banks with melt bulkheads.

Shoreline: Rocky beach, covered with vegetations.

Water: Calm

River Bottom: NR

Plants in the water: No Plants in water

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	9:40 AM	19° C	66° F	
	10:18 AM	21° C	69° F	
	11:00 AM	22° C	72° F	
<i>Wind Speed:</i>	10:18 AM	<i>Anemometer</i> 2.4 mph	<i>Beaufort</i>	<i>Direction</i> SE
<i>Weather today</i>	10:18 AM	51-75% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Sunny, unusually warm			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	9:40 AM	Unchanged (slack)		
	10:18 AM	Falling		
	11:00 AM	Falling		
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
				<i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	10:00 AM	20°C	68°F	
	10:21 AM	21°C	70°F	
	10:44 AM	20°C	68°F	
<i>Turbidity- Secchi Disk (cm)</i>	9:54 AM	66.7 cm		
	10:44 AM	78 cm		
	10:21 AM	100 cm		
Chemical				
<i>Salinity- NR</i>				
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:00 AM	20°C	9 ppm	
	10:21 AM	21°C	10 ppm	
	10:44 AM	20°C	12 ppm	
<i>pH – NR</i>				
Biological				
<i>Fish-Seine (3 Hauls)</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>

10:00 AM-11:30 AM	7	Banded Killifish				
Fish Totals	TOTAL: 7	Diversity: 1				
Macroinvertebrates	Number	Name			Length of longest	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0				
Sediment Core	Time	Oxid Top	H₂S Smell	Oil	Grain Size	Other Features
		No	No	No	Common: Sand, Gravel, Pebbles Rare: Clay & Mud	Rare: Leaves, wood, shells & macroinvertebrates

Boats					
Commercial/Recreational	Time	Name	Color	Southbound/Northbound	Light/Loaded
Recreational	10:05 AM	Sailboat	Grey & White	Southbound	
Recreational	10:38 AM	Rec. Boat	Blue & White	Southbound	
Recreational	10:34 AM	Motor Boat	White	Northbound	